

Amendments to the Claims:

Please amend claim 1 and add new claim 17, as set forth in the below listing of the claims. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer-implemented method for reviewing tooth arrangements, said method comprising:
 - maintaining a digital data set representing a three-dimensional graphical representation of a patient's teeth in a host computer;
 - electronically transmitting the digital data set to a viewing computer;
 - displaying the three-dimensional graphical representation on the viewing computer to a treating clinician;
 - altering a rendered image by manipulating the image graphically so as to generate changes to the graphical representation; and
 - electronically transmitting data comprising the changes to the graphical representation from the viewing computer to the host computer.
2. (Original) A method as in claim 1, wherein the digital data set represents the teeth in a reconfigured arrangement.
3. (Original) A method as in claim 2, wherein the digital data set represents a final tooth configuration to be achieved by orthodontic treatment.
4. (Original) A method as in claim 3, further comprising maintaining a second digital data set representing a three-dimensional graphical representation of the patient's teeth in an initial arrangement on the host computer, electronically transmitting the second digital data set to the viewing computer, and displaying the three-dimensional graphical representation of the patient's teeth in the initial arrangement on the viewing computer to the treating clinician.

5. (Original) A method as in claim 4, wherein the graphical representations of the teeth in the final and initial configurations are displayed side-by-side on a display of the viewing computer.
6. (Original) A method as in claim 1, wherein the digital data set represents a series of intermediate configurations from an initial tooth configuration to a final arrangement.
7. (Original) A method as in claim 6, wherein the digital data set is displayed as an animated routine.
8. (Original) A method as in claim 7, wherein the treating clinician manipulates the animation routine on the viewing computer to step forward or backward through images along a treatment path.
9. (Original) A method as in claim 1, wherein the host computer is remote from the viewing computer.
10. (Original) A method as in claim 9, wherein transmitting data between the host computer and the viewing computer is performed over a direct connection.
11. (Original) A method as in claim 9, wherein transmitting data between the host computer and the viewing computer is performed over the world wide web.
12. (Original) A computer-implemented method as in claim 1, further comprising altering a three-dimensional image displayed on the viewing computer, wherein the altered image may be electronically transmitted to the host computer.
13. (Original) A computer-implemented method as in claim 12, further comprising detecting tooth collisions resulting from the altered image and altering the treating clinician.

14. (Original) A computer-implemented method as in claim 1, wherein electronically transmitting comments comprises sending textual messages.

15. (Original) A method as in claim 1, further comprising revising the digital data set on the host computer to incorporate changes suggested by the treating clinician to produce a revised digital data set.

16. (Original) A method as in claim 15, further comprising electronically transmitting the revised digital data set to the viewing computer, displaying a revised three-dimensional graphical representation on the viewing computer to the treating clinician, and electronically transmitting further changes to the graphical representation or comments of the treating clinician from the viewing computer to the host computer.

17. (New) A computer-implemented method for reviewing tooth arrangements, the method comprising:

maintaining a digital data set representing a three-dimensional graphical representation of a patient's teeth in a host computer;

electronically transmitting the digital data set to a viewing computer, the viewing computer comprising instructions operable to cause the computer to display the three-dimensional graphical representation on the viewing computer, and alter, at the direction of a human user, a rendered image by manipulating the image graphically so as to generate changes to the graphical representation; and

receiving data comprising the changes to the graphical representation, the data electronically transmitted from the viewing computer to the host computer.